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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/666,319	09/19/2003	Robert Edward Wilson	10030442-1	7914
57299 Kathy Manke	7590 12/22/200	Z/2008 EXAMINER		
Avago Technol		CHIEM, DINH D		
4380 Ziegler Road Fort Collins, CO 80525			ART UNIT	PAPER NUMBER
			2883	
			NOTIFICATION DATE	DELIVERY MODE
			12/22/2008	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

avagoip@system.foundationip.com kathy.manke@avagotech.com adrienne.barclay@avagotech.com

	Application No.	Applicant(s)				
Office Action Comments	10/666,319	WILSON ET AL.				
Office Action Summary	Examiner	Art Unit				
	ERIN D. CHIEM	2883				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DATE of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period vortice and the second statut of the period of the second statut of the second statut of the second secon	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	l. lely filed the mailing date of this communication. (35 U.S.C. § 133).				
Status						
1)⊠ Responsive to communication(s) filed on <u>08 Section</u>	entember 2008					
	action is non-final.					
'=	/					
. —	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4)⊠ Claim(s) <u>1-5 and 7-9</u> is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-5 and 7-9</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/o	r election requirement					
	relection requirement.					
Application Papers						
9) The specification is objected to by the Examine						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some coll None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 11/14/08.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	te				

DETAILED ACTION

Having reviewed applicant's remarks and in further search and reconsideration of the broad breath of claim 1, the examiner found new prior art of Yamaguchi that would at least read completely on claim 1. Furthermore, in view of prior art of Yamaguchi and the prior arts of record the examiner also withdrew the objected claims 4-5 for being allowable if rewritten in an independent form. New grounds of rejection are provided herein below and currently all pending claims 1-5, 7-9 are now rejected.

Claim Rejections - 35 USC § 102

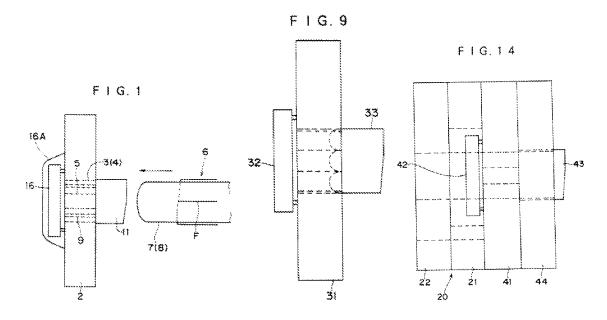
The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-2, 5 and 8-9 are rejected under 35 U.S.C. 102(b) as being anticipated by Yamaguchi (US 5,917,976). Yamaguchi discloses an optical assembly comprising a package including an optoelectronic component (Fig. 9, element 32); an alignment feature mounted to the surface of the package (31); and a sleeve (33) defining only one bore (37) with an inner surface having a constant inner diameter for receiver and contacting outer surfaces of the alignment feature (micolens) and a ferrule of a fiber (31) of a fiber connector when the alignment feature and the ferrule are inserted into the bore at opposite ends of the bore so they can be aligned relative to each other (Fig. 9, 11 see also col. 13 line 30 to col. 14, line 25).

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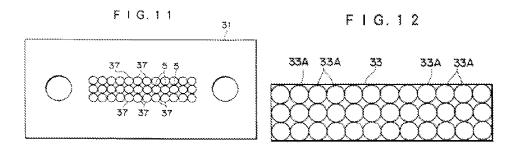


Claim 2, Yamaguchi disclose an optical assembly comprising a package including an optoelectronic component (32); an alignment feature mounted to a surface of the package (microlens); a sleeve defining only one bore (37) with an inner surface having a constant inner diameter; a fiber optic connector comprising a ferrule (31); wherein the alignment feature and the ferrule are inserted into the bore at the opposite ends of the bore so they can be aligned relative to each other (Fig. 9, 11 and see also col. 13 line 30 to col. 14, line 25).

Claim 5, the alignment feature comprises a solid partial sphere (see details in Fig. 9, the dotted lines) comprising transmissive material allowing a light emitted by the package to pass through, the outer surface of the solid partial sphere contacting the inner surface of the single bore of the sleeve (33A).

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Claim 8, the package (16) is san optoelectronic chip enclosure

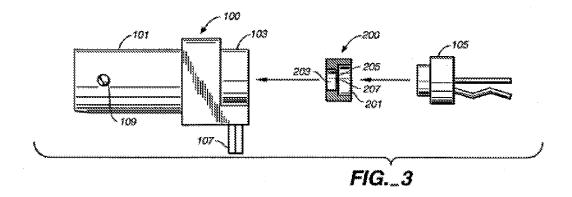
Claim 9, the optoelectronic component is a laser (Col. 11, lines 13-17 and lines 37-39).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

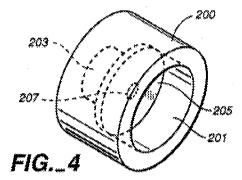
(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 3 and 7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yamaguchi in view of Freeman (US 5,195,156). Regarding claim 3, Yamaguchi discloses the invention of claim 1, however, Yamaguchi does not disclose the alignment feature comprises a cylindrical post having a hole allowing a light emitted by the package to pass through. Freeman discloses in Fig. 3 and 4



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an alignment feature comprises a solid post (200) having a hole (207) allowing a light emitted by the package (105) to pass through. One having ordinary skill in the art would recognize the disclosure of Freeman would be modifiable to art of Yamaguchi. **The motivation** for providing a solid post having a transmissive bore hole is to reduce manufacturing cost since an accurate and refined lens cost more to produce than a cylindrical body having a bore hole.

Regarding claim 7, Freeman discloses the state of the art at the time of Freeman's invention utilizes the laser optoelectronic package in an ST type connector. Therefore, it would have been obvious to one having ordinary skill in the art to recognize Freeman's disclosure would be modifiable in the art of Yamaguchi since **the motivation** would be to provide an optoelectronic device that is capable of coupling with a standardized connector type such that the device may be universally apply in any application which requires an ST, SC, FC, or LC type connector. Well known standardized connector types are ST, SC, FC, LC etc. Please refer to Gruber Industries cable c connector reference page (http://www.arcelect.com/fibercable.htm).

Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Yamaguchi in view of Gilliland et al.(US 6,416,238 B1). Yamaguchi disclose the invention of claim 1, however, Gilliland does not disclose the alignment feature comprises a solid post comprising a transmissive material allowing a light emitted by the package to pass through. Gilliland

discloses in Fig. 2 element 20 a transparent solid post which is mounted on the substrate (48) acting as a passive alignment feature wherein the sleeve 34 having a bore hole makes contact with the outer surfaces of the alignment feature. The light from the optoelectronic substrate would be transmissive through the transparent solid post (20). It would having been obvious to one having ordinary skill in the art to recognize the disclosure of Gilliland would be modifiable to the art of Yamaguchi since they both are in the same field of endeavor. **The motivation** a solid transmissive post would have been to make the device cost effective since the design is not greatly concerning confining light in a certain transmission wavelength of mode but only rather a light relaying means in which a solid post (20) as disclosed by Gilliland can performed that would cost less than a refined collimating lens.

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Response to Arguments

Applicant's arguments with respect to claims 1-5 and 7-9 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ERIN D. CHIEM whose telephone number is (571)272-3102. The examiner can normally be reached on Monday - Thursday 9AM - 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Frank G. Font can be reached on (571) 272-2415. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Erin D Chiem/ Examiner, Art Unit 2883 /Frank G Font/ Supervisory Patent Examiner, Art Unit 2883

December 8, 2008 FGF/ec